

**CURRENT LISTING OF CLAIMS**

Claims 1 to 30. Cancelled.

31. (Currently amended) A method of diagnosing Crohn's disease in a individual, comprising:

[(a) obtaining a sample from said individual;

(b) contacting said sample with] (a) contacting a sample from said individual with pbrA, or an immunoreactive fragment thereof, under conditions suitable to form a complex of pbrA, or said immunoreactive fragment thereof, and antibody to pbrA; and

[(c)] (b) detecting the presence or absence of said complex, wherein the presence of said complex indicates that said individual has Crohn's disease,

said pbrA having greater than 70% amino acid sequence identity with SEQ ID NO: 2 or SEQ ID NO: 3 and wherein said pbrA is purified, partially purified or present in a whole or fractionated *Pseudomonas* cellular extract.

32. (Original) The method of claim 31, wherein the presence or absence of said complex is detected with a detectable secondary antibody.

Claims 33 to 36. Cancelled.

33. (New) The method of claim 31, wherein said pbrA or an immunoreactive fragment thereof is purified.

34. (New) The method of claim 31 or 37, wherein said pbrA has greater amino acid sequence similarity to SEQ ID NO: 2 or SEQ ID NO: 3 than to the *P. aeruginosa* protein pvdS (SEQ ID NO: 7).

35. (New) The method of claim 31 or 37, wherein said pbrA has the amino acid sequence of SEQ ID NO: 2 or an immunoreactive fragment thereof.

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40. (New) The method of claim 39, wherein said pbrA has the amino acid sequence of SEQ ID NO: 2.

41. (New) The method of claim 31 or 37, wherein said pbrA has the amino acid sequence of SEQ ID NO: 3 or an immunoreactive fragment thereof.

42. (New) The method of claim 41, wherein said pbrA has the amino acid sequence of SEQ ID NO: 3.